



[Name of document] Claims

[Claim 1] A propulsion apparatus using centrifugal force comprising:

a rotating body provided in a disc-shaped predetermined rotating range for being rotated compulsory around an axis disposed at the almost center of the predetermined rotating range;

a moving body provided with the rotating body so as to move in a direction of transverse axis of a rotating center and having a pair of weights disposed at both ends thereof with the rotating center between them, and both outer ends of the weights, which are farthest from the center of the rotating body, have a mutual distance which is within a diameter of the predetermined rotating range or the rotating body;

a stopper provided at a circumference of the predetermined rotating range or the rotating body so that a rotating position of an end of one weight farther distant from the center of the rotating body than the other, the end is farthest from the rotating center, is regulated so as to substantially correspond to a circle locus of the predetermined rotating range, and

a guide member provided at a part of the rotating locus of the weights in order to attach the weight farther distant from the center of the rotating body than the other, the guide member

introduces the rotating body by returning the same in the direction of rotating body's center with a distance approximately corresponding to a half or above of the difference between the diameter of the predetermined rotating range and the mutual distance of both outer ends of the weights which are farthest from the center of the rotating body, wherein by means of the guide member a positional relationship is alternately changeable between the weight having a long distance from the center of the rotating body and the weight having a short distance from the center of the rotating body.

[Claim 2] A propulsion apparatus according to Claim 1, wherein the stopper is a wall formed along the circumference of the predetermined rotating range.

[Claim 3] A propulsion apparatus according to Claim 1, wherein the moving body is incorporated into a penetration route formed in a rotating body in a state that two weights are protruding from the penetration route, and both ends of the penetrating route serve as a stopper by making the size of the weights bigger than that of lateral openings of the penetrating route.

[Claim 4] A propulsion apparatus according to Claim 1, wherein the moving body is incorporated into a penetration route formed in a rotating body in a state that two weights are stored in the penetration route, and both ends of the penetrating route serve as a stopper by making the area of lateral openings of

the penetrating route smaller than a cross sectional area of each weight.

[Claim 5] A propulsion apparatus according to any of the Claims 1 to 5, wherein the guide member is an expansion wall sticking out into the predetermined rotating range at the circumference thereof in a continuous and gradual curve.